

SEQUENCE LISTING



<110> Fallon, J.
McKechnie, B.
Raffi, M.
Creely, H.
Bowe, M.
Ferri, R.

<120> BIGLYCAN AND RELATED THERAPEUTICS AND METHODS OF USE

<130> BURF-P01-006

<140> 09/715,836

<141> 2000-11-17

<150> 60/166,253

<151> 1999-11-18

<160> 10

<170> PatentIn version 3.1

<210> 1

<211> 9

<212> PRT

<213> Torpedo sp.

<400> 1

Ile Gln Ala Ile Glu Phe Glu Asp Leu

1 5

<210> 2

<211> 9

<212> PRT

<213> Torpedo sp.

<400> 2

Leu Gly Leu Gly Phe Asn Glu Ile Arg

1 5

<210> 3

<211> 19

<212> PRT

<213> Torpedo sp.

<400> 3

Thr Ser Tyr His Gly Ile Ser Leu Phe Asn Asn Pro Val Asn Tyr Trp

1 5 10 15

Asp Val Leu

<210> 4
<211> 9
<212> PRT
<213> Homo sapiens

<400> 4

Ile Gln Ala Ile Glu Leu Glu Asp Leu
1 5

<210> 5
<211> 9
<212> PRT
<213> Homo sapiens

<400> 5

Leu Gly Leu Gly His Asn Gln Ile Arg
1 5

<210> 6
<211> 19
<212> PRT
<213> Homo sapiens

<400> 6

Ala Tyr Tyr Asn Gly Ile Ser Leu Phe Asn Asn Pro Val Pro Tyr Trp
1 5 10 15

Glu Val Gln

<210> 7
<211> 1685
<212> DNA
<213> Homo sapiens

<400> 7

gagtagctgc	tttcggtccg	ccggacacac	cggacagata	gacgtgcgga	cggcccacca	60
ccccagcccc	ccaactagtc	agcctgcgcc	tggcgcctcc	cctctccagg	tccatccgcc	120
atgtggcccc	tgtggcgctt	cgtgtctctg	ctggccctga	gccaggccct	gccctttgag	180
cagagaggct	tctgggactt	caccctggac	gatgggcat	tcatgatgaa	cgatgaggaa	240
gcttcgggcy	ctgacacctc	aggcgtcctg	gacccggact	ctgtcacacc	cacctacagc	300
gcatgtgtc	ctttcggctg	ccactgccac	ctgcgggtgg	ttcagtgtc	cgacctgggt	360

ctgaagtctg tgcccaaaga gatctcccct gacaccacgc tgctggacct gcagaacaac	420
gacatctccg agctccgcaa ggatgacttc aagggtctcc agcacctcta cgccctcgtc	480
ctggtgaaca acaagatctc caagatccat gagaaggcct tcagcccact gcggaagctg	540
cagaagctct acatctccaa gaaccacctg gtggagatcc cgcccaacct acccagctcc	600
ctggtggagc tccgcatcca cgacaaccgc atccgcaagg tgcccaaggg agtggtcagc	660
gggctccgga acatgaactg catcgagatg ggcgggaacc cactggagaa cagtggcttt	720
gaacctggag ctttcgatgg cctgaagctc aactacctgc gcatctcaga ggccaagctg	780
actggcatcc ccaaagacct ccctgagacc ctgaatgaac tccacctaga ccacaacaaa	840
atccaggcca tcgaactgga ggacctgctt cgctactcca agctgtacag gctgggccta	900
ggccacaacc agatcaggat gatcgagaac gggagcctga gcttcctgcc caccctccgg	960
gagctccact tggacaacaa caagttggcc agggtgccct cagggctccc agacctcaag	1020
ctcctccagg tgggtctatct gactccaac aacatcacca aagtgggtgt caacgacttc	1080
tgtcccatgg gcttcggggg gaagcgggcc tactacaacg gcatcagcct cttcaacaac	1140
cccgtgccct actgggaggt gcagccggcc actttccgct gcgtcactga ccgcctggcc	1200
atccagtttg gcaactacaa aaagtagagg cagctgcagc caccgcgggg cctcagtggg	1260
ggtctctggg gaacacagcc agacatcctg atggggaggc agagccagga agctaagcca	1320
gggcccagct gcgtccaacc cagcccccca cctcagggtcc ctgaccccag ctcgatgccc	1380
catcaccgcc tctccctggc tccaagggg gcaggtgggc gcaaggcccg gccccatca	1440
catgttcctt tggcctcaga gctgcccctg ctctcccacc acagccaccc agaggcacc	1500
catgaagctt ttttctcggt cactcccaaa cccaagtgtc caaagctcca gtcctaggag	1560
aacagtccct gggtcagcag ccaggaggcg gtccataaga atggggacag tgggctctgc	1620
cagggctgcc gcacctgtcc agaacaacat gttctgttcc tcctcctcat gcatttccag	1680
ccttg	1685

<210> 8
 <211> 1104
 <212> DNA
 <213> Homo sapiens

<400> 8	
atgtggcccc tgtgggcct cgtgtctctg ctggccctga gccaggccct gccctttgag	60
cagagaggct tctgggactt caccctggac gatgggcat tcatgatgaa cgatgaggaa	120

gcttcgggcg ctgacacctc aggcgtcctg gacccggact ctgtcacacc cacctacagc 180
gccatgtgtc ctttcgggctg ccactgccac ctgcgggtgg ttcagtgtc cgacctgggt 240
ctgaagtctg tgcccaaaga gatctcccct gacaccacgc tgctggacct gcagaacaac 300
gacatctccg agctccgcaa ggatgacttc aagggtctcc agcacctcta cgccctcgtc 360
ctggtgaaca acaagatctc caagatccat gagaaggcct tcagcccact gcggaagctg 420
cagaagctct acatctccaa gaaccacctg gtggagatcc cgcccaacct acccagctcc 480
ctggtggagc tccgcatcca cgacaaccgc atccgcaagg tgcccaaggg agtgttcagc 540
gggctccgga acatgaactg catcgagatg ggcgggaacc cactggagaa cagtggcttt 600
gaacctggag ccttcgatgg cctgaagctc aactacctgc gcatctcaga ggccaagctg 660
actggcatcc ccaaagacct ccctgagacc ctgaatgaac tccacctaga ccacaacaaa 720
atccaggcca tcgaactgga ggacctgctt cgctactcca agctgtacag gctgggccta 780
ggccacaacc agatcaggat gatcgagaac gggagcctga gcttcctgcc caccctccgg 840
gagctccact tggacaacaa caagttggcc aggggtgccct cagggtccc agacctcaag 900
ctcctccagg tggcttatct gcactccaac aacatcacca aagtgggtgt caacgacttc 960
tgtcccatgg gcttcggggg gaagcgggcc tactacaacg gcatcagcct cttcaacaac 1020
cccgtgccct actgggaggt gcagccggcc actttccgct gcgtcactga ccgcctggcc 1080
atccagtttg gcaactacaa aaag 1104

<210> 9

<211> 368

<212> PRT

<213> Homo sapiens

<400> 9

Met Trp Pro Leu Trp Arg Leu Val Ser Leu Leu Ala Leu Ser Gln Ala
1 5 10 15

Leu Pro Phe Glu Gln Arg Gly Phe Trp Asp Phe Thr Leu Asp Asp Gly
20 25 30

Pro Phe Met Met Asn Asp Glu Glu Ala Ser Gly Ala Asp Thr Ser Gly
35 40 45

Val Leu Asp Pro Asp Ser Val Thr Pro Thr Tyr Ser Ala Met Cys Pro
50 55 60

Phe Gly Cys His Cys His Leu Arg Val Val Gln Cys Ser Asp Leu Gly
65 70 75 80

Leu Lys Ser Val Pro Lys Glu Ile Ser Pro Asp Thr Thr Leu Leu Asp
 85 90 95
 Leu Gln Asn Asn Asp Ile Ser Glu Leu Arg Lys Asp Asp Phe Lys Gly
 100 105 110
 Leu Gln His Leu Tyr Ala Leu Val Leu Val Asn Asn Lys Ile Ser Lys
 115 120 125
 Ile His Glu Lys Ala Phe Ser Pro Leu Arg Lys Leu Gln Lys Leu Tyr
 130 135 140
 Ile Ser Lys Asn His Leu Val Glu Ile Pro Pro Asn Leu Pro Ser Ser
 145 150 155 160
 Leu Val Glu Leu Arg Ile His Asp Asn Arg Ile Arg Lys Val Pro Lys
 165 170 175
 Gly Val Phe Ser Gly Leu Arg Asn Met Asn Cys Ile Glu Met Gly Gly
 180 185 190
 Asn Pro Leu Glu Asn Ser Gly Phe Glu Pro Gly Ala Phe Asp Gly Leu
 195 200 205
 Lys Leu Asn Tyr Leu Arg Ile Ser Glu Ala Lys Leu Thr Gly Ile Pro
 210 215 220
 Lys Asp Leu Pro Glu Thr Leu Asn Glu Leu His Leu Asp His Asn Lys
 225 230 235 240
 Ile Gln Ala Ile Glu Leu Glu Asp Leu Leu Arg Tyr Ser Lys Leu Tyr
 245 250 255
 Arg Leu Gly Leu Gly His Asn Gln Ile Arg Met Ile Glu Asn Gly Ser
 260 265 270
 Leu Ser Phe Leu Pro Thr Leu Arg Glu Leu His Leu Asp Asn Asn Lys
 275 280 285
 Leu Ala Arg Val Pro Ser Gly Leu Pro Asp Leu Lys Leu Leu Gln Val
 290 295 300
 Val Tyr Leu His Ser Asn Asn Ile Thr Lys Val Gly Val Asn Asp Phe
 305 310 315 320
 Cys Pro Met Gly Phe Gly Val Lys Arg Ala Tyr Tyr Asn Gly Ile Ser
 325 330 335
 Leu Phe Asn Asn Pro Val Pro Tyr Trp Glu Val Gln Pro Ala Thr Phe
 340 345 350
 Arg Cys Val Thr Asp Arg Leu Ala Ile Gln Phe Gly Asn Tyr Lys Lys
 355 360 365

<210> 10
 <211> 12

<212> PRT

<213> Plasmid pQE-biglycan

<400> 10

Met	Arg	Gly	Ser	His	His	His	His	His	His	Gly	Ser
1				5					10		